

ABSTRACT

A plurality of transmission circuits transmit data over one or more output lines. A plurality of receiving circuits receive data over one or more of a set of input lines. A plurality of parallel-serial conversion circuits coupled to the plurality of transmission circuits and to the plurality of receiving circuits, the plurality of conversion circuits to convert parallel signals to one or more sets of serial signals and to send the converted serial signals to one or more corresponding transmission circuits, and to receive one or more sets of serial signals from one or more of the receiving circuits and to convert the serial signals to parallel signals.

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